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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,494	09/24/2003	Chc-Hsiung Hsu	PE0688 US NA	3970
23906	7590	09/12/2007	EXAMINER	
E I DU PONT DE NEMOURS AND COMPANY LEGAL PATENT RECORDS CENTER BARLEY MILL PLAZA 25/1128 4417 LANCASTER PIKE WILMINGTON, DE 19805			KOPEC, MARK T	
		ART UNIT	PAPER NUMBER	
		1751		
		NOTIFICATION DATE	DELIVERY MODE	
		09/12/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-Legal.PRC@usa.dupont.com

Office Action Summary	Application No.	Applicant(s)
	10/669,494	HSU ET AL.
	Examiner Mark Kopec	Art Unit 1751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 06/17/07.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-4,8-10,54 and 58-60 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-4,8-10,54 and 58-60 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____.
 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application
 6) Other: _____.

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This action is responsive to applicant's amendment/remarks filed 06/17/07. Claims 1-4, 8-10, 54, and 58-60 are currently pending.

The prior art rejection over EP 0593111 is withdrawn in view the cancellation of claim 37.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-4, 8-10, 54, and 58-60 are rejected under 35 U.S.C. 102(b) as anticipated by, or in the alternative, under 35 U.S.C. 103(a) as obvious over Pickup et al (Electronically conducting cation-exchange polymer...).

This rejection is maintained for the reasons set forth in the Rejection mailed 01/11/06 (Pages 6-7).

Applicant's arguments filed 06/17/07 have been fully considered but they are not persuasive. Specifically, applicant contends that Pickup does not disclose or suggest the instant limitation(s) regarding "aqueous dispersion capable of forming a film".

The examiner respectfully disagrees. A careful reading of Pickup discloses dispersion in acetonitrile/water solution (Table 2), and specifies, "...appears to be gel-like with no discrete particles" (page 23). The examiner submits that such

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clearly meets the instant description of "dispersion" at pages 3-4 of the instant specification. Specifically, the specification defines the claims as requiring minute particles suspended in liquid (aqueous) medium. Pickup's description of "no discrete particles" clearly implies submicron particles dispersed in the liquid medium.

Note the following new grounds of rejection.

Claims 1, 8-10, 54, and 58-60 are rejected under 35 U.S.C. 102(e) as anticipated by Sotzing (2004/0010115).

Sotzing discloses polymers and copolymers comprising repeating units of thieno[3,4-b]thiophene. Water-borne dispersions of such polymers and copolymers can be cast by conventional methods to provide uniform, thin films which possess utility in numerous electroactive applications including electrochromic displays, optically transparent electrodes and antistatic coatings. The compositions of this invention can be doped with conventional p-dopants or n-dopants. The invention also presents an aqueous process for preparing such compositions of matter (Abstract). The reference specifically discloses PEDOT co-monomers (para 0014-0016), NAFION dopant (0021), and water/co-solvent mixtures (0050, 0064-0066). The instant claim

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language "...dispersion of a polydioxothiophene" encompasses the PTT/PEDOT copolymer discloses in Sotzing.

The reference is anticipatory.

Claims 1-4, 8-10, 54, and 58-60 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ohtani et al (4,869,979).

Ohtani discloses conducting organic polymer battery is disclosed, which comprises a cathode comprising a conducting organic polymer doped with a polymer anion having a number of anionic groups in the molecule thereof, an anode comprising a metal having a redox potential lower than that of the conducting organic polymer, and an electrolyte solution or a solid electrolyte as an ion conductive phase. In the battery, the ion concentration in an electrolyte solution does not substantially change during charging and discharging (Abstract). Of the above-described conducting organic polymers, polythiophene (substituted at the 3 and/or 4 position), polyaniline, polyalkylanilines, poly-N-methylpyrrole, polypyrrole, poly(p-phenylene) and polyacetylene are preferably used (Col 3, lines 20-24; claim 8). The reference additionally teaches NAFION dopant (Col 3, lines 30-35), and polymerization in water/solvent mixtures (Col 4, lines 20-25).

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The reference differs from the instant claims in failing to specify the claimed PEDOT monomer.

The examiner respectfully submits that PEDOT monomer/polymer are notoriously well known 3,4 substituted polythiophenes in the conductive coating art as. The selection of such would have been obvious to the skilled artisan. All the claimed elements were known in the prior art and the skilled artisan could have combined the elements by known methods with no change in their respective functions, and the combination would have yielded predictable results.

In view of the foregoing, the above claims have failed to patentably distinguish over the applied art.

The remaining references listed on forms 892 and 1449 have been reviewed by the examiner and are considered to be cumulative to or less material than the prior art references relied upon in the rejection above.

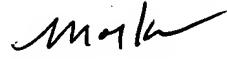
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Kopec whose telephone number is (571) 272-1319. The examiner can normally be reached on Monday - Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be

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reached on (571) 272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


/Mark Kopec/
Primary Examiner
Art Unit 1751

MK

August 31, 2007